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A study on production **line** automation with LonWorks (TM) control networks
N Mahalik, SK Lee - Computer Standards & Interfaces, 2002 - Elsevier
... robotics, production line, packaging **plant**, mobile robotics such as AGV, **assembly** automation,
supervisory ... J. Korbicz and J. Kus , Diagnosis of sugar **factory** processes using GMDH ... in reputed
companies such as Samsung Heavy Industries and Toyada **Machine** Works before ...
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Optimization of indoor wireless communication network layouts   [PDF] from psu.edu
MD Adickes, RE Billo, BA Norman, S Banerjee ... - IIE Transactions, 2002 - Springer
... area 3 Office building – suburban area 4 Office building – urban area 5 **Factory** with heavy
machinery 6 Other ... We also list results with data from field tests in actual **factory** environments
where the solutions from the ... Ωx, yâ ° identity of the square in row x and **column** y, where x ° 1 ...
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[BOOK] Virtual Reality in **Assembly** Simulation: Collision Detection, Simulation Algorithms, and   [PDF] from psu.edu
Interaction Techniques
G Zachmann - 2001 - Citeseer
... 182 5.2 **Assembly** simulation . . . . Figure 1.1: A bit of VR folklore: The first HMD was, to my
knowledge, devel- oped by Sutherland [Sut68]. It featured stereoscopic display of 3,000 lines
at 30 frames/sec, **line** clipping, and a mechanical and ultrasonic head tracker. 1 Page 10. ...
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LDRD final report: Automated planning and programming of **assembly** of fully 3D mechanisms
SG Kaufman, RH Wilson, RE Jones, TL Calton... - 1996 - osti.gov
... **Line** 1 This line declares the units to be inches ... 2-part-tool laserspot alpin_04 a2_0i -.0157 -.3323
0 0 0 1 Figure 2: Example of an **assembly** non-geometric data file a ... The answer has to do with
finding the proper balance between effort on the part of the human and the **machine**. ...
Cited by 4 - Related articles

Agile manufacturing prototyping system (AMPS)
P Garcia - 1993 - osti.gov
... rest of the structure in order to make it possible to move the entire **assembly** as a ... out using
C-language for custom driver development and Visual Basic for state **machine** control, client ... is
little variation in process for all the products in a product family and the **factory** only produces ...

[BOOK] Computational intelligence in design and manufacturing
A Kusiak - 2000 - books.google.com
... System / 187 7.1.3 Just-in-Time System / 188 7.1.3.1 Kanban System Concept / 190 7.1.3.2
Kanban Rules / 191 7.2 Capacity Balancing / 192 7.3 **Assembly Line** Balancing / 197 7.4
Manufacturing Scheduling / 199 7.4.1 Scheduling n Operations on a Single **Machine** / 201 7.4. ...
Cited by 167 - Related articles - Library Search - All 5 versions

[PDF] Mui: Controlling Equipment via Migrating User Interfaces   [PDF] from iih.se
T Eklund ... - 2002 - lucas.lth.se
... It is a simple but robust tool without an integrated editor and without advanced debug
capabilities. J2ME for J9: J9 is a virtual **machine** from IBM. ... The top button row and the left
button **column** are two containers that contain three buttons each. ...
Cited by 3 - Related articles - View as HTML

Retirement for Cause/Engine Structural Integrity Program: Advanced Capability Motion Controller   [PDF] from dtic.mil
P Collins... - 1993 - oai.dtic.mil
... their existing capital equipment investment and have the latest technology in **factory** floor
production ... PANEL ASSEⅢBLY AED-767COLORD@SPLAY OP≡RATOℝCONTROL **ASSEMBLY**
OPERATORℲℛⅈⱪ ... FFT analysis was performed on ECIS #5 in Dayton, a Version 1 **machine**. ...
Cited by 2 - Related articles - All 4 versions

[CITATION] Genetic algorithms: a tool for modelling, simulation, and optimization of complex systems   [PS] from uni-hannover.de
H Szczerbicka, M Sydniow ... - Cybernetics , ... 1998 - ... New York, NY, etc.] Hemisphere Pub ...
Cited by 26 - Related articles - BL Direct - All 6 versions

[PDF] A User Interface Toolkit Extension for Cooperative Problem Solving   [PDF] from reginahuntington.com
R Huntington - 1995 - reginahuntington.com
... support these activities. The proposed mechanism is the extension of a **graphical user interface**
(GUI) toolkit ... vehicle **assembly**. The setup stage of robotic working (and many other manufacturing
processes) is ... The first problem relates to off-**line** planning, which is ...
Related articles - View as HTML - Library Search - All 2 versions

[PDF] Vision-based closed-loop control of mobile microrobots for micro handling tasks
A Buerkle, F Schmoeckel, M Kiefer... - Proc. SPIE, 2001 - wwwipr.ira.uka.de
... of assembly operations ... In the next step, all possible vertical line segments in each image column
are assigned membership values according to brightness, length ... task of building the line segments
specifying the object using the iterative process of edge detection and line linking ...
Cited by 17 - Related articles - View as HTML - All 7 versions

[PDF] from uka.de

[PDF] Java Based MIDI Interface for Robot Control
GG Harrdle - 2000 - eidr.wvu.edu
... variables. An on-line mode is satisfactory for many applications but it becomes ... competitive.
In US metal working industry, machine loading and unloading appears ... But what drives
this work is the growing use of robotics in assembly operations. ...
Related articles - View as HTML - Library Search - All 4 versions

[PDF] from wvu.edu

Process compilation of thin film microdevices
M Hassanzadeh... - Computer-Aided Design of ..., 2002 - ieeexplore.ieee.org
... of simulation tools for semiconductor device processing in the 1970s created a "virtual factory"
environment which ... where P is a permutation matrix with a single one in each row and column
and ... of D is performed in a finite time and without exceeding the machine storage space. ...
Cited by 12 - Related articles - BL Direct - All 4 versions

[BOOK] Wireless sensor network designs
A Hac - 2003 - Citeseer
... control in buildings, environmental monitor- ing, home automation, distributed monitoring of factory
plants or ... of sensors, such as intelligent patient monitoring, object tracking, and assembly line
sensing. ... In the run-time environment, the Java virtual machine forms the core com ...
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[PDF] from psu.edu

Virtual Reality in Assembly Simulation
G Zachmann - 2001 - hupinfix.uib.tu-darmstadt.de
... 242 5.2 Assembly simulation . . . . Figure 1.1: A bit of VR folklore: The first HMD was, to my
knowledge, devel- oped by Sutherland [Sut68]. It featured stereoscopic display of 3,000 lines
at 30 frames/sec, line clipping, and a mechanical and ultrasonic head tracker. ...
Cited by 1 - Related articles - All 4 versions

[PDF] from tu-darmstadt.de

[PS] Domain-oriented component-based automatic program generation
T Bius - VIP Forum on Interdisciplinary Computing, ... 2003 - cs.uiowa.edu
... Therefore this path of the automatic program generation cannot result in automatic problem solving
as ... It should be the task of the "programming factory" developing such specification schemes and
universal ... and we refer here only to the interactive use of a machine through its ...
Cited by 3 - Related articles - View as HTML - All 7 versions

[PS] from uiowa.edu

[PDF] A continuum mechanic design aid for non-planar compliant mechanisms
PA Petri - 2002 - deapre.it.mit.edu
... beam geometry for non-planar loads 61 2-13 Stiffness matrix row reduction 66 ... one promising
approach, but nothing can match the simplicity of no assembly requirements in ... In practical systems
ranging from MEMS to machinery, contamination is almost inevitable, and precision ...
Cited by 5 - Related articles - Library Search - All 3 versions

[PDF] from mit.edu

[BOOK] Needs-based Development of X/Motif User Interfaces
KP DesRochers, P Desrochers, G Prince... - 1994 - Citeseer
... The traditional programming languages (eg, C, C++, Pascal, and Ada) still rely on the standard
input/output (I/O) functions of writing and reading a line of data. ... program for a particular machine,
environment, or application." [Microsoft 94] Page 13 . 4 - ... factory for the designer. ...
Related articles - View as HTML - Library Search - All 5 versions

[PDF] from psu.edu

[CITATION] GENETIC ALGORITHMS: A TOOL FOR MODELLING, SIMULATION, AND
OPTIMIZATION OF COMPLEX SYSTEMS
HSMBM Syrjakow - Cybernetics and Systems: 1998 - Taylor & Francis
Related articles

[PDF] The RJCE System for Dynamically Changing Object Methods
JD Bloom - 2003 - Citeseer
... 74 5.1.3 The Interpreter ...... 75 5.1.4 Abstract Factory design pattern ...... complete, the
assembler converts the assembly language into machine code. ...
Related articles - View as HTML - All 7 versions

[PDF] from psu.edu

Applications of Smalltalk/V to digital image processing
F Lin - 1994 - epnds.wu.edu.au
... 69 Figure 5.10 Work flow diagram 71 Figure 5.11 Contents of ImageLab's on-line help system
72 ... TAS cellular logic machine, PPL (Pattern Processing Language) coded at the ... However, since
even the best FORTRAN compilers can not always generate assembly ...
All 3 versions

[PDF] from wu.edu.au

[PDF] Architecture-Independent Design for Run-Time Reconfigurable Custom Computing Machines
RD Hudson - 2000 - Citeseer
... of FPGAs and supporting components organized in a custom-computing machine (CCM). ... When
early computer programmers wrote enough code in an assembly language, they realized ... user

[PDF] from psu.edu

interface is designed using the author's procedural programming language of **choice**. ...
Cited by 5 - Related articles - View as HTML - Library Search - All 8 versions

[PDF] **Techniques and applications of production planning in electronics manufacturing systems**   [PDF] from psu.edu
J Smed, M Johnsson, T Johtela, ... - Computer Aided and ... , 2003 - Citeseer
... At the tactical level, the decisions con- cern **machine** and **line** configurations, production ... Klegka
and Driels [66] study four cases of PCB as- sembly and conclude that FMS analysis is
inappropriate for PCB **assembly** system analysis: FMS analysis chooses among multiple ...
Cited by 10 - Related articles - View as HTML - All 8 versions

[BOOK] **Extreme programming explored**   [PDF] from ksu.edu.sa
WC Wake - 2001 - faculty.ksu.edu.sa
... Even if you're working from a command **line**, it's just not that bad, as you can keep windows open
for compilers and so on. ... Result remembers its list via an array, but that is not the best **choice** for
a structure that needs to change its size. We'll change to use a Vector: ...
Cited by 103 - Related articles - View as HTML - All 9 versions

[PDF] **Applying Configuration Management Techniques to Component-Based Systems**   [PDF] from psu.edu
M Larsson - Licentiate Thesis Dissertation, 2000 - Citeseer
... architecture which can be configured for different products within the product **line** [14]. ... The primary
goal of component technology, independent deployment and **assembly** of components will not
be ... user the opportunity to implement the application on top of a protocol of **choice**. ...
Cited by 32 - Related articles - View as HTML - All 8 versions

BUILDING A GOPHER FROM SOCKETS AND WIDGETS
W Is GOPHER - Wisdom of the gurus: a vision for object ... , 1998 - books.google.com
... server • the logic to determine what type of data a particular **line** is We ... 392 authoritative source,
273 automated regression test, 211,217 automatic teller machine (ATM). 125 ... arithmetic operations,
256 ARM, 347 arrays, 367, 369,379,404 artisans, 221 **assembly**, 19,221 assertions ...
All 2 versions

[BOOK] **Upgrading relational databases with objects**
R Vermeulen - 1997 - books.google.com
... Certainly the entire row can represent a unique "key," or reference, but this can be unwieldy.
A better solution is to designate a single **column** (or at most a few columns) to act as the unique
reference to the row. This **column** (or set of columns) is known as the primary key. ...
Cited by 3 - Related articles - Library Search - All 5 versions

[CITATION] **Computer, internet & multimedia dictionary**
S Verma - 1999 - Universities Press
Cited by 1 - Related articles - Library Search - All 2 versions

[BOOK] **Computers, graphics & learning**   [PDF] from psu.edu
LP Rieber - 1994 - Citeseer
... Approaches to Fixed-**Path** Animation 93 GUI-Based Approaches to Fixed-**Path** Animation 98
Data ... tools, such as those that provide learners with "real-time, on-**line**" interaction, offer ... the design
of instructional materials on the computer based on the **machine's** pyrotechnics rather ...
Cited by 177 - Related articles - View as HTML - Library Search - All 11 versions

[PDF] **Applications of optimization with Xpress-MP**   [PDF] from psu.edu
C Guéret, C Prins ... - contract, 1999 - Citeseer
... 34 3.3.2.1 **Choice** among several possibilities . . . . 94 7.4 Sequencing jobs on a
bottleneck **machine** . . . . . . 100 7.6 **Assembly line** balancing . . . .
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